

**Boston**

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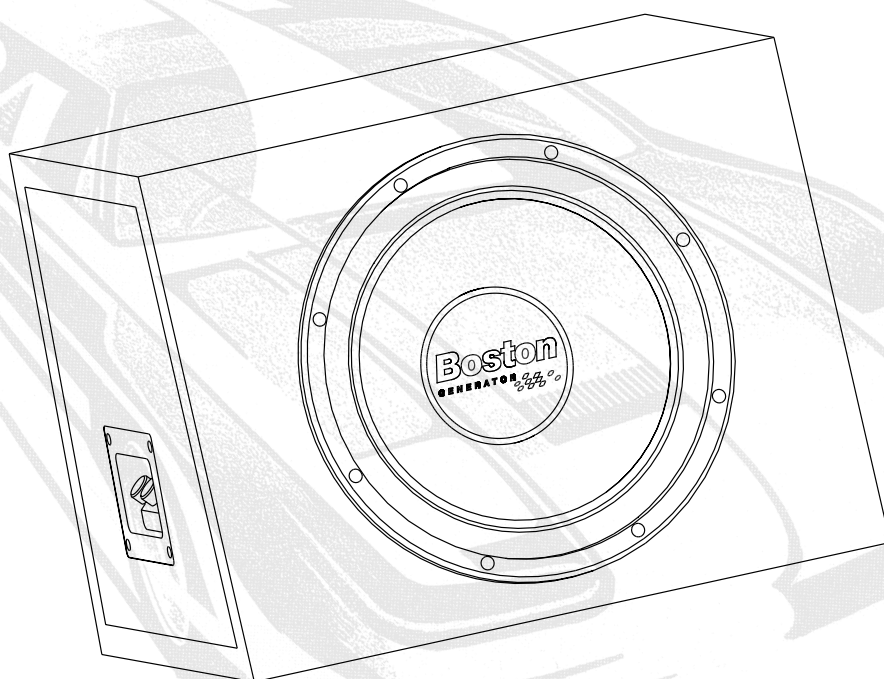
Generator Series

GS210

GS115

GS112

GS110



Boston Acoustics Subwoofer System  
Installation Manual

**Boston**

## **Congratulations!**

You have purchased the highest quality subwoofer the industry has to offer. Installed correctly, Boston Acoustics subwoofer systems will deliver unprecedented performance for many years to come.

**WARNING:** This manual explains only the basic installation of the subwoofer system—not the techniques required to perform the installation. If you do not have the experience that these procedures require, we strongly suggest you consult your Boston Acoustics dealer about professional installation.

## **Placement**

The placement of the enclosure is one of the most important factors concerning installation. As each vehicle's interior acoustics is different, experimentation is the key to optimizing performance.

### **Installation in a sedan**

Provide as clear a path as possible by venting through a folded down armrest, or venting through the rear deck. Keep any restrictive material such as wood, hard plastic or metal from directly blocking the driver or radiator. If installing near the trunk lid, check for clearance with the trunk opened and closed. Check for the position of the trunk springs or torsion bars as their position changes with the position of the trunk lid.

### **Installation in a hatchback or sport utility vehicle**

Typically, installing subwoofer enclosures in a rear corner yields the maximum output. However, every vehicle is different, so experimentation is the key to optimum performance.

**WARNING:** Make sure the enclosure is securely mounted in such a way as to not shift or fly forward in the event of an accident or sudden stop. If you are unsure of how to secure the enclosure, we strongly recommend you consult your Boston Acoustics dealer about professional installation.

## **Wiring**

Generator Subwoofer systems present a nominal 4 ohm impedance. Check your amplifier's owners manual for bridging instructions and impedance restrictions.

Once the system is installed, play a musical selection with an active bass line. Experiment with the subwoofer's phasing relative to the rest of the system by reversing the input leads on the enclosure (+ to -, and - to +). Listen for the position that yields the best results. To avoid damage to the amplifier, turn the system off before making any changes.

## **Crossover**

The best results are obtained with a two-way electronic crossover between the subwoofer amplifier and the satellite speakers. This crossover should not only keep high frequencies from reaching the subwoofers, but just as importantly should keep all low frequencies from reaching the satellite speakers. This will allow each speaker to reproduce only the range of frequencies for which it is designed, and will result in a much more natural tonal balance in the system. In such an installation, there will be separate amplifiers or channels for the satellites and the subwoofers.

<b>Specifications</b>	<b>GS210</b>	<b>GS115</b>	<b>GS112</b>	<b>GS110</b>
Subwoofer(s)	2 - 10" Generator	1 - 15" Generator	1 - 12" Generator	1 - 10" Generator
Nominal Impedance	4 ohms	4 ohms	4 ohms	4 ohms
Recommended Amplifier Power	100–800 watts	50–500 watts	50–500 watts	50–400 watts
Enclosure Height	11 <sup>7</sup> / <sub>8</sub> " (302mm)	15 <sup>3</sup> / <sub>4</sub> " (400mm)	12 <sup>3</sup> / <sub>4</sub> " (324mm)	11 <sup>7</sup> / <sub>8</sub> " (302mm)
Enclosure Width	29 <sup>7</sup> / <sub>8</sub> " (759mm)	22" (559mm)	20 <sup>1</sup> / <sub>2</sub> " (521mm)	15 <sup>3</sup> / <sub>4</sub> " (400mm)
Enclosure Depth	11 <sup>3</sup> / <sub>4</sub> " (298mm)	14 <sup>1</sup> / <sub>2</sub> " (368mm)	12 <sup>1</sup> / <sub>2</sub> " (318mm)	11 <sup>3</sup> / <sub>4</sub> " (298mm)

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042-001165-0